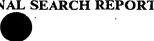


INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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Applicant's or agent's file reference 17947J	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year) (Earliest) Priority Date (day/month/year)
PCT/FI 03/00649	4 Sept 2003 4 Sept 2002
Applicant	
VALTION TEKNILLINEN TUTIM	JSKESKUS ET AL
This international search report has be applicant according to Article 18. A	peen prepared by this International Searching Authority and is transmitted to the copy is being transmitted to the International Bureau.
This international search report consi	ists of a total of 3 sheets.
It is also accompanied by	y a copy of each prior art document cited in this report.
1. Basis of the report	
 a. With regard to the language, the in the language in which it was 	ne international search was carried out on the basis of the international application is filed, unless otherwise indicated under this item.
the international search w to this Authority (Rule 23	vas carried out on the basis of a translation of the international application furnished 3.1(b)).
b. With regard to any nucleotide a international search was carrie	and/or amino acid sequence disclosed in the international application, the dout on the basis of the sequence listing:
contained in the internation	onal application in written form.
filed together with the inte	ernational application in computer readable form.
furnished subsequently to	this Authority in written form.
furnished subsequently to	this Authority in computer readable form.
the international applicati	sequently furnished written sequence listing does not go beyond the disclosure in on as filed has been furnished.
the statement that the info	ormation recorded in computer readable form is identical to the written sequence.
2. Certain claims were found	d unsearchable (See Box I).
3. Unity of invention is lacki	ng (See Box II).
4. With regard to the title,	
the text is approved as su	bmitted by the applicant.
the text has been establish	ned by this Authority to read as follows:
5. With regard to the abstract,	
the text is approved as su	· · · · · · · · · · · · · · · · · · ·
applicant may, within one comments to this Authorit	ted, according to Rule 38.2(b), by this Authority as it appears in Box III. The month from the date of mailing of this international search report, submit ty.
6. The figure of the drawings to be pr	ublished with the abstract is Figure No
as suggested by the applic	
because the applicant faile	ed to suggest a figure.
because this figure better	characterizes the invention.

INTERNAT. NAL SEARCH REPORT



dional application No. 03/00649

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G02F 1/01, G02F 1/313, G02F 1/225
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6351578 B1 (M.BRINKMAN ET AL), 26 February 2002 (26.02.02), figure 8A, abstract	1-20
		· ·
A	US 6278822 B1 (E.DAWNAY), 21 August 2001 (21.08.01), abstract	1-20
}	•••	
A	PATENT ABSTRACTS OF JAPAN vol.008,no.282 (P323) 22 December 1984(1984-12-22) & JP 59148031 A (TATEISHI DENKI KK) 24 August 1984 (1984-08-24) abstract	1-20
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LX	Further documents are listed in the continuation of Box	ն C.	X See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority
"A"	document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		step when the document is taken alone
i	special reason (as specified)	"Y"	document of particular relevance: the claimed invention cannot be
″O″	document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive step when the document is combined with one or more other such documents, such combination
"P"	document published prior to the international filing date but later than		being obvious to a person skilled in the art
	the priority date claimed		document member of the same patent family
Date	e of the actual completion of the international search	Date o	of mailing of the international search report
		1	

Date of the actual completion of the international search	Date of mailing of the international search report
4 December 2003	0 8 -12- 2003
Name and mailing address of the ISA/	Authorized officer
Swedish Patent Office	•
Box 5055, S-102 42 STOCKHOLM	Erik Westin /itw
Facsimile No. +46 8 666 02 86	Telephone No. + 46 8 782 25 00



Form PCT/ISA/210 (continuation of second sheet) (July 1998)

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No	
Α	EP 0674210 A2 (FUJITSU LTD.), 27 Sept 1995 (27.09.95)	1-20	
A	US 6233070 B1 (Y.LU ET AL), 15 May 2001 (15.05.01), abstract	1-20	
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INTERNAT. NAL SEARCH REPORT Information on the family members

06/09/03

International application No.
PC. 1 03/00649

	ent document n search report	Publication date		Patent family member(s)	Publication date
US	6351578 B1	26/02/02	AU	2422101 A	26/03/01
			CA	2380456 A	08/03/01
		,	EP	1226467 A	31/07/02
		. :	JP	2003527624 T	16/09/03
			US	2002037129 A	28/03/02
			WO	0116648 A	08/03/01
US	6278822 B1	21/08/01	AU	745594 B	21/03/02
			UA	3718599 A	23/11/99
			CA	2331069 A	11/11/99
			CN	1307691 T	08/08/01
			EP	1073929 A	07/02/01
			GB	2332284 A,B	16/06/99
		•	GB	9809458 D	00/00/00
		•	<u>IL</u>	139126 D	00/00/00
			JP	2002513952 T	14/05/02
			WO	9957600 A	11/11/99
EP	0674210 A2	27/09/95	CA	2011954 A,C	14/09/90
	•	•	DE	69025481 D,T	14/08/96
			DE	69033696 D,T	21/06/01
			EP	0387832 A,B	19/09/90
			JP	2239223 A	21/09/90
			JP	2894716 B	24/05/99
		•	US	5074631 A	24/12/91
	**		JP	2269309 A	02/11/90
			JP	2679223 B	19/11/97
US	6233070 B1	15/05/01	CA	2309815 A	20/05/99
			CN	1285931 T	28/02/01
			EP	1031065 A	30/08/00
			JP	2001523012 T	20/11/01
			WO	9924867 A	20/05/99